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PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Jon Swanson
Serial No.: 10/728,408
Conf. No.: 9759
Filed: December 5, 2003
For: METHODS AND PROGRAM
PRODUCTS FOR ORGANIZING
VIRTUAL MEETINGS
Art Unit: 3623
Examiner: Anderson, Folashade

APPELLANTS' REPLACEMENT BRIEF ON APPEAL UNDER 37 C.F.R. § 41.37

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Mail Stop Appeal Brief - Patents
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

This Replacement Appeal Brief is in support of Applicants' Notice of Appeal dated February 24, 2009 of the Final Office Action dated November 24, 2008, and replaces the Appeal Brief previously filed and which was the subject of a Notice of Non-Compliant Appeal Brief mailed May 15, 2009.

REAL PARTY IN INTEREST

The real party in interest in this case is Insors Integrated Communications,
111 W. Jackson, #1412, Chicago, Illinois 60604-3589.

RELATED APPEALS AND INTERFERENCES

There are no other appeals or interferences related to this application.

STATUS OF CLAIMS

The current status of the claims are as follows: claims 1-17, 19-20, and 22-37 are pending. Claims 18 and 21 have been cancelled. No claims have been allowed. Claims 1-17, 19-20 and 22-37 stand finally rejected. The rejections of claims 1-17, 19-20 and 22-36 are appealed.

STATUS OF AMENDMENTS

Amendment A was filed on July 18, 2008 in response to a non-final Office Action mailed on March 19, 2008. Amendment B was filed on February 24, 2009 in response to a Final Office Action mailed on November 24, 2008, and was the last amendment filed. For the purpose of appeal, Amendment B was not entered.¹ No amendments were filed subsequent to Amendment B. An Advisory Action was mailed on March 2, 2009 indicating that Amendment B would not be entered.

¹ The Advisory Action indicated that amendments to claims 1, 4, 6, 7, 36 and 37 were sufficient to overcome the §112 rejections of these claims, while amendments to other claims were not acceptable. It is therefore assumed that the amendments to claim 1, 4, 6, 7, 36 and 37 will be entered.

SUMMARY OF CLAIMED SUBJECT MATTER

The claims under appeal are reproduced below (including independent claims to be considered at appeal and dependent claims which are argued separately in accordance with §41.37 C(1)(v)), with bracketed insertions referring to the associated portions of the written description and/or drawings of the above-named application.

Claim 1. A method for organizing a virtual meeting between a plurality of attendees on a computer network, the method comprising the steps of:

selecting a meeting date, a meeting start time, meeting duration, and a meeting code [page 6, lines 19-25; Figure 3A, block 30], storing said meeting date, said meeting start time, said meeting duration, and said meeting code in a meeting file [page 9, lines 3-6; Figure 3A, block 36];

storing said meeting file in a memory accessible to the network [page 2, lines 26-29; page 9, lines 3-6; Figure 3A, block 36; page 11, lines 28-30];

communicating a meeting invitation to said plurality of attendees over the network, said invitation including at least said meeting date, said meeting start time, said meeting code, and a meeting entry portal [page 9, lines 6-8; Figure 3A, block 38],

receiving a request to join the meeting from a first of said plurality of attendees [page 9, lines 23-25; Figure 3B, block 40];

allocating network resources for said meeting after receiving said request to join from said first of said plurality of attendees [page 11, lines 7-14], said network

resources including at least a network interface location for connecting said plurality of attendees for communication with one another during the meeting [page 5, lines 6-30; page 10, lines 12-23; Figure 3B, blocks 50 and 52], said network resources sufficient to communicate a plurality of real time data streams over the network, said plurality of real time data streams including at least one real time video data stream and at least one real time audio data stream [page 5, lines 6-30; page 8, lines 1-19; Figure 3A, block 32; Figure 5].

Claim 6. A method as defined by claim 1 and further including the steps of determining the total bandwidth available to communicate with each of said plurality of attendees through consideration of whether additional traffic unrelated to the virtual meeting will be carried over a linkage connecting said at least one meeting attendee to the virtual meeting [page 13, lines 3-11; page 13, lines 28-30; Figure 6, block 102; page 14, line 2].

Claim 11. A method as defined by claim 1 and further including the steps of determining the total required bandwidth for the meeting [page 12, lines 23-30; page 13, lines 1-2; Figure 6, block 100], of determining the total bandwidth of each of said plurality of meeting attendees [page 13, lines 3-22; Figure 6, block 102; page 14, line 2], and of limiting said meeting attendees to only those having sufficient bandwidth to participate in said meeting [page 14, lines 1-5; Figure 6, blocks 104, 106 and 108].

Claim 12. A method as defined by claim 1 and further including the steps of determining the total required bandwidth for the meeting [page 12, lines 23-30; page 13, lines 1-2; Figure 6, block 100], of determining the total available bandwidth of each of said plurality of meeting attendees [page 13, lines 28-30; page 14, line 2; Figure 6, block 102, and of directing any attendees that do not have sufficient bandwidth available to link to a subset of said plurality of data streams being communicated during the meeting [page 14, lines 8-10].

Claim 14. A method as defined by claim 1 wherein said invitation is an executable file that upon execution takes steps necessary to connect to said virtual meeting [page 9, lines 17-19].

Claim 27. A method as defined by claim 1 wherein said meeting entry portal is a URL [page 9, lines 8-13; Figure 3A, block 38] and wherein said network interface location is different from said meeting entry portal URL [page 10, lines 24-30; Figure 1; page 11, lines 1-6 and lines 13-15; Figure 3B, block 54].

Claim 28. A method as defined by claim 1 and further including the step of specifying an early join time before said start time before which said at least one attendee cannot join the meeting and a late time after which said at least one attendee cannot join the meeting [page 7, lines 3-10; page 9, lines 28-30; Figure 3B, blocks 42 and 44].

Claim 31. A computer program product for organizing a virtual meeting between a plurality of attendees on a computer network, the program product including computer executable instructions stored on a computer readable medium that when executed cause the computer to [page 6, lines 3-12]:

receive a meeting code, a meeting date, a meeting start time [page 6, lines 19-25 and lines 32-35; Figure 3A, block 30], and the identity of a plurality of meeting attendees from a user submitted over the network [page 7, lines 12-16; page 10, lines 1-7; Figure 3A, block 30];

store said meeting code, said meeting start time, and said identity of said plurality of meeting attendees in a meeting file in a memory accessible to the network [page 9, lines 3-6; Figure 3A, block 36; page 11, lines 28-30];

communicate an invitation to each of said plurality of meeting attendees, said invitation including at least said meeting start time, said meeting code, and an entry portal for entering the meeting [page 9, lines 6-8; Figure 3A, block 38];

receive a first request to enter the meeting from a first of said plurality of meeting attendees after said first attendee has connected to said entry portal [page 9, lines 23-25; Figure 3B, block 40], allocating at least one network interface location for the meeting after receiving said first request [page 11, lines 7-15; Figure 3B, block 52], said at least one network interface location sufficient to link a plurality of real time video streams and at least one real time audio stream between each of said plurality of meeting attendees [page 5, lines 6-30; page 8, lines 1-19; Figure 3A, block 32; Figure 5], storing

said at least one network interface location in said meeting file [page 11, lines 28-30, Figure 3B, block 52], linking said first meeting attendee to said network interface [page 10, lines 17-23; page 11, lines 7-14; Figure 3B, blocks 52 and 54]; and,

receiving a subsequent request from a second of said plurality of meeting attendees [page 11, line 10; Figure 3B, block 54], and linking said second meeting attendee to said network location [page 10, lines 17-23; page 11, lines 7-14; Figure 3B, blocks 52 and 54].

Claim 34. A computer program product as defined by claim 31 wherein the program instructions further cause the computer to determine the total bandwidth required to participate in said meeting [page 12, lines 23-30; page 13, lines 1-2; Figure 6, block 100], and the bandwidth available to communicate with each of said plurality of meeting attendees [page 13, lines 3-30; Figure 6, block 102].

Claim 35. A computer program product as defined by claim 31 wherein the program instructions when executed further cause the computer to determine the bandwidth resources for each of said plurality of meeting attendees [page 13, lines 3-30; Figure 6, block 102].

GROUND OF REJECTION TO BE REVIEWED ON APPEAL

1. The rejection under 35 U.S.C. §102(b) of claims 1-5, 11-17, 19-20, 22-27 and 29-36 over Semaan (U.S. 5,680,392) is to be reviewed on appeal.
2. The rejection under 35 U.S.C. §103(a) of claims 6-10 as over Semaan in view of Etorre (U.S. 6,594,265) is to be reviewed on appeal.
3. The rejection under 35 U.S.C. §103(a) of claim 28 over Semaan in view of Blinken (U.S. 6,594,265) is to be reviewed on appeal.

ARGUMENT

The present invention provides methods and program products for organizing virtual meetings between a plurality of attendees on a computer network, with an example virtual meeting being a videoconference between a plurality of users. [Page 4, line 15 – 20] As explained in the background section of the specification, prior to the present invention organizing virtual meetings such as a videoconference can be cumbersome. [Page 2, line 3-20] Some prior art systems and methods, for example, can require reserving a network address for the meeting well before the meeting and letting users know in advance of the meeting what address has been reserved. [Page 1, lines 29-31] This is particularly the case when a virtual meeting such as a videoconference includes attendees numbering into the hundreds or even thousands. [Page 2, line 17-18].

The present invention addresses these and other problems by providing methods and program products for organizing virtual meetings over a data network, with an example being a video conference. [(Page 4, line 15 – 20] An important aspect of some claimed embodiments is allocating at least some network resources, with some claims reciting a network interface location for the meeting, *after* receiving a request to join the meeting. [Page 11, line 7 – 17] This has been discovered to be advantageous over the prior art. Network addresses are not pre-reserved for meetings that might not occur for one reason or another, but

instead remain freely available until they are actually required. [Page 10, line 10-12]

The Final Office Action finally rejected claims 1-5, 11-17, 19-20, 22-27 and 29-36 as anticipated by Semaan, and finally rejected claims 6-10, 28 and 34 as obvious over Semaan in view of second references. [Final Office Action, para. 10, 12-13.] Semaan is accordingly the primary reference relied upon for all rejections. Semaan, however, fails to disclose or suggest multiple elements that the Examiner alleges it to.

Importantly, Semaan teaches a *reservation system* for *reserving* MCU and other resources useful to conduct audio and video conferences. [Semaan, Abstract] This is different than many claimed embodiments, which are directed to methods and program products for *organizing* virtual meetings (as opposed to making “reservations”). The claims require additional or different elements than are disclosed by Semaan. As will be explained in detail below Semaan is directed to making *reservations*, for example, and does not disclose or suggest allocating resources for the meeting *after* a request to join the meeting has been received (as recited by some but not all claims), determining bandwidth *available* for a particular user (as recited by some but not all claims), and other differences.

Issues on this appeal include:

- I. Whether the anticipation rejection of claims 1-5, 11-17, 19-20, 22-27 and 29-36 over Semaan is proper.

- I(A) Semaan fails to disclose allocating a network interface location for a meeting *after* receiving a first request to join the meeting as recited by independent claims 1 and 31 (as well as claims 2-5, 11-17, 19-20, 22-27, 29-30, and 32-36 that depend from these claims).
- I(B) Semaan fails to disclose communicating a meeting invitation that includes a meeting entry portal as recited by independent claims 1 and 31 (as well as claims 2-5, 11-17, 19-20, 22-27, 29-30, and 32-36 that depend from these claims).
- I(C) Semaan fails to disclose determining available bandwidth as recited by claims 11, 12, 34 and 35.
- I(D) Semaan Fails to Disclose Directing Users with Insufficient Bandwidth to Link to a Subset of the Plurality of Data Streams as Recited by Claim 12.
- I(E) Semaan fails to disclose an executable meeting invitation as recited by claim 14.
- I(F) Semaan fails to disclose communicating a meeting invitation including a URL meeting entry portal as recited by claim 27.
- II. Whether the rejection of claims 6-11 as obvious over Semaan in view of Etorre is proper - Semaan fails to disclose determining available bandwidth.
- III. Whether the rejection of claim 28 as obvious over Semaan in view of Blinken is proper.
 - III(A) Semaan fails to disclose allocating a network interface location for a meeting *after* receiving a first request to join the meeting,
 - III(B) Semaan fails to disclose communicating a meeting invitation that includes a meeting entry portal

I. THE ANTICIPATION REJECTION OF CLAIMS 1-5, 11-17, 19-20, 22-27 AND 29-36 AS ANTICIPATED OVER SEMAAN IS IMPROPER.

Independent claims 1 and 31 as well as dependent claims 2-5, 11-17, 19-20, 22-27, 29-30 and 32-36 stand rejected as anticipated by Semaan. Argument regarding the appeal of these claims is presented for the claims as a

group as called for by MPEP 1205.02(vii), with grounds of argument for particular claims to be considered separately presented using subheadings as called for by MPEP 1205.02(vii).

"A claim is anticipated only if each and every element as set forth in the claim is found, either expressly or inherently described, in a single prior art reference." *Verdegaal Bros. v. Union Oil Co. of California*, 814 F.2d 628, 631, 2 USPQ2d 1051, 1053 (Fed. Cir. 1987). "The identical invention must be shown in as complete detail as is contained in the ... claim." *Richardson v. Suzuki Motor Co.*, 868 F.2d 1226, 1236, 9 USPQ2d 1913, 1920 (Fed. Cir. 1989). It is submitted that Semaan fails to disclose each and every element of claims 1-5, 11-17, 19-20, 22-27 and 29-36; and that the anticipation of these claims is therefore improper and must be withdrawn.

I(A) SEMAAN FAILS TO DISCLOSE ALLOCATING A NETWORK INTERFACE LOCATION FOR A MEETING *AFTER* RECEIVING A FIRST REQUEST TO JOIN THE MEETING AS RECITED BY INDEPENDENT CLAIMS 1 AND 31.

Independent claims 1 and 31 stand rejected as anticipated over Semaan. Claim 1 recites, among other elements, that network resources are allocated *after* receiving a request to join the meeting. Similarly, independent claim 31 recites, among other elements, that a network interface location for the meeting be allocated *after* a first request to enter the meeting is received.

Because both of these claims recite that network resources (claim 1) or a network interface (claim 31) is allocated only *after* the meeting is actually requested to begin, no network interface is "reserved" in advance. As explained in the specification, this has been discovered to offer particular advantages and benefits over the prior art:

In this manner the exemplary method of the invention *only allocates a meeting address at the beginning of the meeting*. That is, only when a first attendee requests entry to the meeting is the meeting address allocated. Second and subsequent attendees are then linked to that allocated address. *It has been discovered that these preferred steps*

are advantageous for purposes of allowing meeting addresses to remain freely available until required. When resources are limited, this may be of particular benefit.

Page 11, line 7 – line 14.

Semaan fails to disclose these recited elements of claims 1 and 31, and in fact teaches away from them. As indicated by the title of Semaan (“Multimedia Multipoint Telecommunications Reservation Systems”), it is entirely directed to methods for making **reservations** and **reserving** network resources, including a network interface (which is accepted to be an MCU only for the sake of argument) in advance of a meeting. For example; “It is a further object of the invention to provide a ... **reservation system** which will permit any multimedia user to **reserve** the resources of one or more MCU’s for a multi-media conference.” Col. 2, lines 48-52 (emphasis added).

The Final Office Action cited col. 6, lines 20-52 of Semaan as disclosing this recited element. [Final Office Action, para. 10.] This section of Semaan, however, makes no such disclosure and instead describes various steps performed to **reserve** MCU resources in advance of a meeting: “...the reservation controller ... will make a determination as to whether the necessary MCU resources **will be available** for the ... time requested. If so, the reservation controller will confirm the **reservation...**” Col. 6, lines 24-28 (emphasis added).

Accordingly, Semaan teaches **reserving** particular MCU resources in advance of a meeting and fails to disclose or suggest the recited elements of claims 1 and 31 of allocating a network interface **only after** a request to join the meeting has been received. Claims 1 and 31 are therefore allowable as all claims that depend therefrom, and the corresponding anticipation rejection must be overturned.

I(B) SEMAAN FAILS TO DISCLOSE OR SUGGEST COMMUNICATING A MEETING INVITATION THAT INCLUDES A MEETING ENTRY PORTAL AS RECITED BY INDEPENDENT CLAIMS 1 AND 31

Other elements recited by claims 1 and 31 are not disclosed or suggested by Semaan. Independent claims 1 and 31 recite that a meeting invitation *including a meeting entry portal* be communicated to the attendees. Semaan fails to disclose or suggest this claimed element, with the result that no prima facie case of anticipation has been presented.

The Final Office Action cites column 8, lines 51-64 as disclosing this element. [Final Office Action, para. 10.] It is submitted that this is incorrect – no such disclosure is made. Careful review of this portion of Semaan has been made without any identification of this recited element. Amendment A noted that this rejection was not supported by the citation and requested clarification on the alleged disclosure of Semaan. Despite such request, the Final Office Action provided no further comment.

Further, other portions of Semaan make clear that no meeting invitation including a meeting entry portal is communicated to users. As discussed above, Semaan teaches that at least some users are called from the MCU to initiate a conference: "...a list of users that will be automatically called when the conference is created." Col. 8, lines 58-59. Since they are called from the MCU, there is no need for them to know an entry portal, much less a need to communicate an executable invitation file to them including an entry portal.

Semaan additionally teaches that users are "attached" to a permanent reservation domain, that all conferencing will occur over this known domain, and that users *must know* the address of the reservation domain:

"(users) *must know* the address of the reservation domain and must attach themselves to the reservation domain ... Once attached to the reservation domain, the user can make a reservation request by sending the reservation request onto the request channel ... In the situation where multiple reservation controllers are provided ... the

user calls the address domain of the ‘local’ reservation controller in order to attach to the reservation domain ... ”

col. 3, lines 35-60 (emphasis added).

No prima facie case of anticipation has been presented for claims 1 and 31 since Semaan fails to disclose that a meeting invitation *including a meeting entry portal* be communicated to the attendees. Instead, Semaan teaches a method wherein users must know the address of their local MCU. This is very different from the claimed embodiment. This is another reason that the anticipation rejection of independent claims 1 and 31 is improper. The rejection must therefore be overturned, and these claims as well as all others that depend from them are allowable.

I(C) SEMAAN FAILS TO DISCLOSE DETERMINING AVAILABLE BANDWIDTH AS RECITED BY CLAIMS 11, 12, 34 AND 35.

Claims 11, 12, 34 and 35 are allowable since they depend from independent claims 1 (claims 11, 12) or 31 (claims 34, 35). These claims are allowable on an independent basis as well. Claim 11 recites determining the total bandwidth available to communicate with the at least one meeting attendee. Claim 12 recites a step of determining the total available bandwidth of each of the plurality of meeting attendees. Claims 34 and 35 likewise recite that the computer program product causes the computer to perform a step of determining the bandwidth available to communicate with each of the plurality of meeting attendees. It is submitted that the rejection of these claims mistakenly confuses steps of determining bandwidth *necessary* with bandwidth *available* – these are two different things.

In rejecting these claims, the Final Office Action cites portions of Semaan that discuss determining what MCU and other resources will be “necessary” for a particular meeting: “ ...and the resources necessary for the conference.” Col. 6, lines 12-13. [Final Office Action, para. 10.] These portions

of Semaan do not disclose determining what bandwidth is *available* (as opposed to “necessary”) over particular linkages. It is important to appreciate that these claimed steps do not refer to determining bandwidth “*necessary*” but instead bandwidth “*available*.” These are very different steps. By way of analogy, measuring bandwidth “available” determines “how much there is,” which is different that measuring bandwidth “required” which equates to “how much is needed.”

Semaan fails to disclose determining bandwidth *available*, but instead discusses bandwidth *required*. This is another basis for overturning the anticipation rejections of claims 11, 12, 34 and 35.

I(D) SEMAAN FAILS TO DISCLOSE DIRECTING USERS WITH INSUFFICIENT BANDWIDTH TO LINK TO A SUBSET OF THE PLURALITY OF DATA STREAMS AS RECITED BY CLAIM 12.

There is still another basis for the overturning of the anticipation rejection of claim 12 over Semaan. Claim 12 further recites: “... and of directing any attendees that do not have sufficient bandwidth available to link to a subset of said plurality of data streams being communicated during the meeting.” The Final Office Action cites col. 6, lines 28-64 of Semaan as disclosing this. [Final Office Action, para. 10] No such disclosure is made, however. Careful review of this section of Semman indicates that it is related to determination of availability of MCU resources. No disclosure of directing users with insufficient bandwidth to link to a subset of data streams as is claimed.

I(E) SEMAAN FAILS TO DISCLOSE OR SUGGEST AN EXECUTABLE MEETING INVITATION AS RECITED BY CLAIM 14

Claim 14 depends from claim 1 and is allowable for the same reasons as are that claim. The anticipation rejection of claim 14 over Semaan should be overturned for another reason as well. Claim 14 requires a step of

communicating a meeting invitation to at least one attendee over the network that is an *executable file that upon execution takes all steps necessary to connect to the virtual meeting*. Semaan fails to disclose or suggest this required element.

The Final Office Action alleges that Semaan discloses communicating an executable file invitation to attendees at column 8, lines 57-59 to reject claim 14. [Final Office Action, para. 10.] This cited portion of Semaan, however, makes no such disclosure and instead indicates that Semaan teaches away from this claimed element since it discloses calling conference attendees *from* the MCU, not the users calling into the MCU: “The three lists preferably include a list of users that *will be automatically called* (from the MCU) *when the conference is created...*” Col. 8, lines 57-58 (emphasis added).

Accordingly, instead of communicating an executable file to users that when executed by the user takes all steps necessary to connect the user to the conference, Semaan teaches a different approach that includes one or more lists of attendees being centrally stored and users on a list being “automatically called” from the MCU when the conference is created. Semaan therefore does not disclose or suggest the limitation of claim 14 of an executable invitation file that takes steps to connect to the meeting from the attendee, and the anticipation rejection of this claim must be withdrawn.

I(F) SEMAAN FAILS TO DISCLOSE COMMUNICATING AN INVITATION INCLUDING A URL MEETING ENTRY PORTAL AS RECITED BY CLAIM 27.

Claim 27 depends from claim 1 and further recites that the meeting entry portal is a URL, and that the meeting entry portal is different from the network interface. Semaan fails to disclose this, and this is therefore another reason that the anticipation rejection of claim 27 should be overturned. In rejecting claim 27, the Office Action mailed on March 19, 2008 cited col. 3, lines 19-23 and col. 7, lines 42-52 of Semaan. [Office Action, page 8] Amendment A

pointed out that these sections of Semaan failed to disclose a URL meeting entry portal, much less communicating an entry portal including a URL that is different from the network interface. [Amendment A, Section C.5]

In response, the Final Office Action stated:

“Semaan teaches ‘must attach themselves ... by establishing one or more transport connections ... many of which are defined in ITU-TT.123 (col. 3, lines 37-50) ‘transport protocols set forth in TT.123 ... TCP / IP (the internet) (col. 7, lines 42-46), where ‘attached’ also being defined in T.122 (col. 3, lines 38-39). It is old and well known in the art that URL is inherent to the use of TCP / IP. It is noted that it is old and well known that the under (sic) ITU – T T.122 ‘attach’ means to connect. Therefore the (sic) Semaan teaches a meeting invitation including a meeting entry portal is a URL (URL for attachment) to be communicated to the attendee (made known).”

[Final Office Action, para. 10.] (emphasis added).

This explanation is not completely clear, but to the extent that it is understood, it appears that the Examiner alleges that because Semaan discloses users attaching to a domain using TCP / IP, it “inherently” discloses the claimed step of claim 27 (depending from claim 1) of: “communicating an invitation to said plurality of attendees over the network, ... including a ... meeting entry portal, and wherein said meeting entry portal is a URL and wherein said network interface location is different from said meeting entry portal URL.” It is submitted that this rejection represents a highly conclusory analysis, and is improper on multiple basis.

No reference has been cited for the proposition that “attaching” using the well known TCP / IP protocol “inherently” teaches communicating a meeting invitation that includes a URL. Admittedly, TCP (transmission control protocol) and IP (internet protocol) are well known protocols for communicating packetized data over networks. As is well known in the art, however, there are an infinite number of operations using these protocols that have nothing to do with

URL's, much less communicating a meeting invitation to a user that include a meeting entry portal that is a URL.

The Examiner's highly conclusory rejection has been made without citation to any reference. Under the circumstances, this is improper: "It would not be appropriate for the examiner to take official notice of facts without citing a prior art reference where the facts asserted to be well known are not capable of instant and unquestionable demonstration as being well-known." MPEP §2144.03(A); "... when an examiner relies on a scientific theory, evidentiary support for the existence and meaning of that theory must be provided." MPEP 2144.02, citing *In re Grose*, 592 F.2d 1161, 201 USPQ 57 (CCPA 1979).

It is submitted that the allegation that communication of an invitation including a meeting entry portal that is a URL "inherently" follows from a teaching of using TCP / IP to attach to a meeting is not capable of instant and unquestionable demonstration as being well known, and that this rejection is therefore improper under MPEP and case law precedent. MPEP §2144.03(A); MPEP 2144.02; *In re Grose*, 592 F.2d 1161, 201 USPQ 57 (CCPA 1979).

Further, even in the unlikely event that the improper and conclusory "inherent" analysis of the Examiner's rejection were to stand, the rejection would be improper for other reasons as well. In particular, claim 27 requires more than just communicating an invitation including a URL to attendees. It further recites that: "...said network interface location (where users are connected to one another for the conference) is *different from said meeting entry portal URL.*" (emphasis added). The specification explains that this has particular benefits and advantages: "Also, use of a meeting entry portal that is separate from the meeting address at which the meeting will be conducted has been found to offer benefits and advantages. The meeting entry portal can be constant from meeting to meeting, while the meeting address for the meetings is not required to be." [Page 11, line 14-17].

Semaan fails to disclose this, and the Final Office Action fails to cite any portion of Semaan (or any other reference) allegedly doing so. The Examiner, in fact, has failed to make any reference to this element of claim 27. This is yet another reason that no prima facie case for anticipation has been made.

Finally, as discussed above in Section I(B), Semaan teaches that users *must know* the address of the reservation domain: “(users) *must know* the address of the reservation domain and must attach themselves to the reservation domain ...” col. 3, lines 35-38 (emphasis added). Accordingly, it is clear that Semaan fails to teach communicating a meeting invitation to attendees at all, much less communicating one that includes a URL that is different from a meeting network interface location as required by claim 27.

These are additional reasons that the rejection of claim 27 is improper and must be overturned.

II. THE REJECTION OF CLAIMS 6-10 AS OBVIOUS OVER SEMAAN IN VIEW OF TORRE IS IMPROPER – NO PRIMA FACIE CASE OF OBVIOUSNESS HAS BEEN ESTABLISHED SINCE SEMAAN FAILS TO DISCLOSE OR SUGGEST DETERMINING AVAILABLE BANDWIDTH.

Claims 6-10 stand rejected as obvious over Semaan in view of Torre. Claims 7-10 depend from claim 6, and these claims are argued as a group together with claim 6 as permitted by MPEP 1205.02(vii). It is submitted that no prima facie case of obviousness has been presented and the rejection should be overturned. Claim 6 depends from claim 1 and recites “determining the total bandwidth *available* to communicate with each of the plurality of meeting attendees.” The Final Office Action cites Semaan as disclosing this element. As discussed in Section I(C) above, however, Semaan fails to disclose or suggest this claimed step, but instead teaches determining the total bandwidth “necessary.” This is very different from determining what is “available.”

In rejecting claim 6, the Final Office Action cites portions of Semaan that discuss determining what MCU and other resources will be “necessary” for a particular meeting: “...and the resources *necessary* for the conference.” Col. 6, lines 12-13 (emphasis added). [Final Office Action, para. 10] These portions of Semaan do not disclose determining what bandwidth is *available* (as opposed to “necessary”) over particular linkages. As discussed above, it is important to appreciate the significant differences between determining bandwidth “*necessary*” (as Semaan teaches) and bandwidth “*available*” (as claimed). Because Semaan fails to disclose or suggest this required step, no prima facie case of obviousness has been made and the rejection of claim 6 and claims 7-10 that depend therefrom are improper and must be overturned.

III. THE REJECTION OF CLAIM 28 AS OBVIOUS OVER SEMAAN IN VIEW OF BLINKEN IS IMPROPER.

Claim 28 depends from claim 1 and stands rejected as obvious over Semaan in view of Blinken. Because claim 28 depends from claim 1, it includes the limitations of that claim. In the rejection of claim 28, Semaan is cited as disclosing the elements of claim 1. As discussed above, these elements are not disclosed or suggested by Semaan. No prima facie case of obviousness has therefore been made regarding claim 28. For the sake of brevity, the details of argument with regard to Semaan’s failure to disclose the elements of claim 1 are not repeated here, but instead reference is made to sections I(A) (Semaan fails to disclose allocating a network interface location for a meeting *after* receiving a first request to join the meeting) and I(B) (Semaan fails to disclose communicating a meeting invitation that includes a meeting entry portal) herein above.

CONCLUSION

For the foregoing reasons, Applicants respectfully request that the rejections of all claims be reversed, with instructions to allow this application. Reversal of the rejections of these claims is called for based on at least the following reasons:

- I. The Anticipation Rejection of Claims 1-5, 11-17, 19-20, 22-27 and 29-36 as Anticipated over Semaan is Improper:
 - (A) Semaan Fails to Disclose Allocating a Network Interface Location for a Meeting *After* Receiving a First Request to Join the Meeting as Recited by Claims 1 and 31.
 - (B) Semaan Fails to Disclose or Suggest Communicating a Meeting Invitation that Includes a Meeting Entry Portal as Recited by Independent Claims 1 and 31.
 - (C) Semaan Fails to Disclose Determining Available Bandwidth as Recited by Claims 11, 12, 34 and 35.
 - (D) Semaan Fails to Disclose Directing Users with Insufficient Bandwidth to Link to a Subset of the Plurality of Data Streams as Recited by Claim 12.
 - (E) Semaan Fails to Disclose or Suggest an Executable Meeting Invitation as Recited by Claim 14.
 - (F) Semaan Fails to Disclose a URL Meeting Entry Portal as Recited by Claim 27.
- II. The Rejection of Claims 6-10 as Obvious over Semaan in View of Torre is Improper – No Prima Facie Case of Obviousness has been made since Semaan Fails to Disclose or Suggest Determining Available Bandwidth.
- III. The Rejection of Claim 28 as Obvious over Semaan in View of Blinken is Improper.
 - (A) Semaan Fails to Disclose Allocating a network interface location for a meeting *after* receiving a First request to join the meeting.

(B) Semaan fails to disclose communicating a meeting invitation that includes a meeting entry portal.

Respectfully submitted,

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CLAIMS APPENDIX

1. A method for organizing a virtual meeting between a plurality of attendees on a computer network, the method comprising the steps of:

selecting a meeting date, a meeting start time, meeting duration, and a meeting code, storing said meeting date, said meeting start time, said meeting duration, and said meeting code in a meeting file;

storing said meeting file in a memory accessible to the network;

communicating a meeting invitation to said plurality of attendees over the network, said invitation including at least said meeting date, said meeting start time, said meeting code, and a meeting entry portal,

receiving a request to join the meeting from a first of said plurality of attendees;

allocating network resources for said meeting after receiving said request to join from said first of said plurality of attendees, said network resources including at least a network interface location for connecting said plurality of attendees for communication with one another during the meeting, said network resources sufficient to communicate a plurality of real time data streams over the network, said plurality of real time data streams including at least one real time video data stream and at least one real time audio data stream.

2. A method as defined by claim 1 and further including the step of determining a required bandwidth for the meeting and storing said required bandwidth in said meeting file.

3. A method as defined by claim 1 wherein each of said plurality of meeting attendees will be streaming a plurality of real time data streams to the meeting, and wherein the method further includes the step of determining the bandwidth required for each of said plurality of real time data streams.

4. A method as defined by claim 3 and further including the step of determining the total bandwidth required for the virtual meeting by summing the bandwidth required for each of said plurality of real time data streams from each of said plurality of attendees.

5. A method as defined by claim 4 wherein said plurality of real time data streams includes at least a plurality of video data streams and at least one audio data stream.

6. A method as defined by claim 1 and further including the steps of determining the total bandwidth available to communicate with each of said plurality of attendees through consideration of whether additional traffic unrelated to the virtual meeting will be carried over a linkage connecting said at least one meeting attendee to the virtual meeting.

7. A method as defined by claim 6 wherein the virtual meeting is a first virtual meeting, and wherein the step of determining the total bandwidth to communicate with each of said plurality of attendees includes determining whether a second virtual meeting may consume bandwidth resources of said attendee, and wherein all of said attendees at either of said first and second virtual meetings are not present in the other of said first and second virtual meetings.

8. A method as defined by claim 7 wherein at least one of said plurality of attendees is linked to the network by a linkage shared by an attendee of said second virtual meeting, said second virtual meeting being at least partially concurrent with said first virtual meeting.

9. A method as defined by claim 6 and further including the steps of:

determining what linkage each of said plurality of attendees is connected to the network with; and,

determining whether any additional of said plurality of attendees are connected to the network over said linkage.

10. A method as defined by claim 6 wherein the virtual meeting is the first virtual meeting and further including the steps of:

determining what linkage each of said plurality of attendees is connected to the network with;

determining whether any other virtual meetings are occurring at least partially concurrently with the first virtual meeting, wherein all of said attendees at either of said first and second virtual meetings are not present in the other of said first and second virtual meetings; and,

determining whether any attendees of any of said other virtual meetings are connected to the network over said linkage.

11. A method as defined by claim 1 and further including the steps of determining the total required bandwidth for the meeting, of determining the total bandwidth of each of said plurality of meeting attendees, and of limiting said meeting attendees to only those having sufficient bandwidth to participate in said meeting.

12. A method as defined by claim 1 and further including the steps of determining the total required bandwidth for the meeting, of determining the total available bandwidth of each of said plurality of meeting attendees, and of directing any attendees that do not have sufficient bandwidth available to link to a subset of said plurality of data streams being communicated during the meeting.

13. A method as defined by claim 1 wherein said meeting file further includes at least one application to be used during the meeting.

14. A method as defined by claim 1 wherein said invitation is an executable file that upon execution takes steps necessary to connect to said virtual meeting.

15. A method as defined by claim 1 wherein said meeting file further specifies a display template for displaying video streams during the meeting.

16. A method as defined by claim 15 wherein said display template includes application geometry for displaying images.

17. A method as defined by claim 1 and further including the step of selecting a display template for displaying at least one video data stream during the meeting.

19. A method as defined by claim 1 and further including the steps of linking each remaining of said plurality of users to said meeting resources when a request for entry is received from said remaining of said plurality of users.

20. A method as defined by claim 1 wherein said network resources include at least one network interface having an address, and further including storing said at least one network interface address in said meeting file.

22. A method as defined by claim 1 wherein the step of allocating said network resources for said meeting comprises selecting said network resources from a list of available network resources.

23. A method as defined by claim 1 wherein said network resources comprise one or more network interface locations.

24. A method as defined by claim 23 wherein said network interface locations comprise port numbers.

25. A method as defined by claim 1 wherein said network resources comprise at least one IP address for a network interface connected to the network and at least one port.

26. A method as defined by claim 1 wherein said network resources include at least one network interface address, and further including the step of storing said at least one network interface address in said meeting file.

27. A method as defined by claim 1 wherein said meeting entry portal is a URL and wherein said network interface location is different from said meeting entry portal URL.

28. A method as defined by claim 1 and further including the step of specifying an early join time before said start time before which said at least one attendee cannot join the meeting and a late time after which said at least one attendee cannot join the meeting.

29. A method as defined by claim 1 and further including the step of providing a network address for each of said plurality of meeting attendees.

30. A method as defined by claim 1 and further including the steps of creating a pass key for entry to said meeting, of including said pass key with said invitation communicated to said plurality of attendees, and of storing said pass key in said meeting file.

31. A computer program product for organizing a virtual meeting between a plurality of attendees on a computer network, the program product including computer executable instructions stored on a computer readable medium that when executed cause the computer to:

receive a meeting code, a meeting date, a meeting start time, and the identity of a plurality of meeting attendees from a user submitted over the network;

store said meeting code, said meeting start time, and said identity of said plurality of meeting attendees in a meeting file in a memory accessible to the network;

communicate an invitation to each of said plurality of meeting attendees, said invitation including at least said meeting start time, said meeting code, and an entry portal for entering the meeting;

receive a first request to enter the meeting from a first of said plurality of meeting attendees after said first attendee has connected to said entry portal, allocating at least one network interface location for the meeting after receiving said first request, said at least one network interface location sufficient to link a plurality of real time video streams and at least one real time audio stream between each of said plurality of meeting attendees, storing said at least one network interface location in said meeting file, linking said first meeting attendee to said network interface; and,

receiving a subsequent request from a second of said plurality of meeting attendees, and linking said second meeting attendee to said network location.

32. A computer program product as defined by claim 31 wherein said invitation comprises an executable file that when executed performs steps sufficient to connect said each of said plurality of attendees to said virtual meeting.

33. A computer program product as defined by claim 31 wherein the program instructions further cause the computer to receive a display template selection, said display template including at least a specified display location and size for at least one video stream, and to use said display template during the meeting.

34. A computer program product as defined by claim 31 wherein the program instructions further cause the computer to determine the total bandwidth required to participate in said meeting, and the bandwidth available to communicate with each of said plurality of meeting attendees.

35. A computer program product as defined by claim 31 wherein the program instructions when executed further cause the computer to determine the bandwidth resources for each of said plurality of meeting attendees.

36. A computer program product as defined by claim 35 wherein the program instructions cause the computer to determine what linkage connects each of said plurality of attendees to the network with, and whether said linkage is shared by any other of said plurality of attendees or shared by attendees of second meeting occurring concurrently with said meeting, wherein all of said attendees at

either of said first and second virtual meetings are not present in the other of said first and second virtual meetings.

EVIDENCE APPENDIX

None.

RELATED PROCEEDINGS APPENDIX

None.